



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Research Triangle Park, North Carolina 27711

May 16, 1975

Mr. V.I. Petrikeyev
Head of Power Services and
Organizations Administration
Ministry of the Iron and Steel Industry
Moscow, USSR

STATINTL

Dear Mr. Petrikeyev:

In accordance with the Protocol of the Second Meeting of the USSR/USA Task Force on Abatement of Air Pollution from Ferrous Metallurgy, signed on December 20, 1974, Appendix 3 Paragraph b, the U.S. side is proposing the attached itinerary for the visit of the USSR experts to the U.S. during the third quarter of 1975.

The itinerary includes the seminar which was proposed in the aforementioned December 20, 1974 Protocol, Appendix 3, Paragraph c, and which was later accepted by the USSR side in your letter to me dated March 10, 1975. The seminar is tentatively scheduled for the mid-point of the visit after the USSR team of experts has had an opportunity to visit some of the US iron and steel plants. I visualize the seminar being conducted in three parts. The first part would be a discussion by the USSR team of experts of the Soviet iron and steel industry and its' technology. The second part would be an open question and answer period to give the US experts an opportunity to ask questions raised by the preceeding Soviet discussion. The third and final part would also be an open question and answer period but with the roles reversed so that the USSR experts may ask questions of the larger group of US experts present at the seminar.

Please review the proposed itinerary and convey your comments to me. Upon receipt of your comments, I will endeavor to obtain approval for the visits from the iron and steel companies involved. Please note that I anticipate that as in the past it may be possible to add additional items of interest to each plant tour as the tour progresses. I would also appreciate your comments upon the proposed time for the visit and the structure for the seminar.


Please accept my warmest personal regards and best wishes.

Sincerely yours,

Norman Plaks

Norman Plaks, Chief
Metallurgical Processes Section
Gas Cleaning & Metallurgical Processes Branch
Control Systems Laboratory

Environment

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Proposed Itinerary

Visit of U.S.S.R. Iron and Steel Experts to U.S. - 3rd Quarter 1975

Date	Location	Protocol Items	Other Items of Interest
September 8, 1975	Environmental Protection Agency Research Triangle Park, N. C. (meetings)	Review information exchanged thus far. Review U.S. technology in areas of ambient air sampling, stack sampling, and analysis of samples. Review methods of determining the cost of pollution and the results obtained thereof. Develop draft protocol. Other topics of interest as time permits.	
September 9 (Tuesday)	Bethlehem Steel Corporation Sparrows Point Plant, Baltimore, Maryland (Plant Tour)	Sinter plant with ESP. Blast furnace cast house with Nippon control system.	Open hearth with ESP.
September 10 (Wednesday)	Inland Steel Company, East Chicago, Indiana (Plant Tour)	Sinter plant with ESP. Coke pushing control with shed. Control of BOF charging and tapping emissions.	Electric furnace with direct furn evacuation. Continuous slab and billet caster. Open hearth.
September 11 (Thursday)	Youngstown Sheet and Tube Co. East Chicago, Indiana (Plant Tour)	Sinter plant with ESP. Control of BOF charging and tapping emissions.	Plant energy computer model
September 12 (Friday)	Chicago, Illinois (Seminar)	U.S.S.R. experts will present review of U.S.S.R iron and steel emission control technology to a broad spectrum of U.S. industry.	
September 13-14 : (Saturday & Sunday)	Chicago, Illinois and vicinity	Review and discuss draft protocol.	Cultural activities.
September 15 (Monday)	Northwestern Steel and Wire Company Sterling, Illinois (Plant Tour)		Electric furnace (400 Ton) with direct furnace evacuation.
September 16 (Tuesday)	Republic Steel Company South Chicago, Illinois (Plant Tour)		Electric furnace with direct furnac evacuation. Open hearth.
September 17 (Wednesday)	Ford Motor Company Detroit, Michigan (Plant Tour)	Control of BOF charging and tapping emissions. Control of coke pushing emissions with hqod.	New high speed hot stripmill.
September 18 (Thursday)	Allied Chemical Company Detroit, Michigan (Plant Tour)	Larry car free pipeline charging of coke ovens.	

Ray, Pat

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SE7, P5/EG3, SS3, NIO/HSSR, DCD2, OGLR2, OS/K31

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PAGE 01-01

NC 31870

TOR:111943Z APR 75

STATSPEC

O 111506Z APR 75

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC PRIORITY 9175

BT

UNCLAS MOSCOW 5047

E. O. 11652: N/A

TAGS: SENV, UR, US

SUBJ: US-USSR ENVIRONMENTAL AGREEMENT: PROJECT I-3.1:
TRANSPORTATION SOURCE AIR POLLUTION CONTROL TECHNOLOGY

REF: A. STATE 76977

B. BROWN/WARD TELECON APRIL 10

DEPARTMENT REQUESTED INFORM DR. WM. BROWN, OFFICE OF THE
ADMINISTRATOR, EPA, HAT DROZDOV IS NOT REPEAT NOT PLANNING
TO SEND SOVIET DELEGATION TO THE US IN APRIL. DROZDOV
WILL SEND COMMERCIAL TELEGRAM TO DR. STORK REGARDING POST-
PONEMENT AND WILL PROPOSE DELEGATION MAKE VISIT IN JUNE.
EMBASSY HAS NOT RECEIVED ANY REASON FOR CHANGE IN SCHEDULE.
STOESSEL

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PAGE 01-01

NC 26049

STATSPEC

TOR:060506Z APR 75

R 042209Z APR 75
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW 2448
BT

UNCLAS STATE 076977

E.O. 11652: N/A

TAGS: SENV, UR

SUBJECT:US-USSR ENVIRONMENTAL AGREEMENT: PROJECT 1-3.1;
TRANSPORTATION SOURCE AIR POLLUTION CONTROL TECHNOLOGY
REFERENCE: STATE 66342

1. REQUEST EMBASSY PASS FOLLOWING MESSAGE FROM ERIC STORK
TO DR. YURIY N. DROZDOV, DIRECTOR, CENTRAL RESEARCH
LABORATORY OF ENGINES TOXICITY (NILD), MINISTRY OF
TRACTOR AND AGRICULTURAL MACHINE BUILDING, SOLNECHNOGOR-
SKAYA, MOSCOW A-413 WITH COPY TO KUVSHINNIKOV OF HYDROMET;
2. "DEAR DR. DROZDOV: ONLY THREE WEEKS REMAIN UNTIL THE
PROPOSED VISIT OF YOUR DELEGATION TO THE U.S. ON APRIL 25.
ACCORDINGLY, I MUST RECEIVE, BY RETURN CABLE, CONFIRMATION
OF THE SUGGESTED SCHEDULE AND THE NAMES AND AFFILIATIONS
OF YOUR DELEGATION MEMBERS IN ORDER TO FINALIZE ARRANGE-
MENTS OR, IN THE ALTERNATIVE, RELEASE MY PERSONNEL TO
PURSUE THEIR HEAVY DOMESTIC RESPONSIBILITIES. SINCERELY,
ERIC O. STORK, DEPUTY ASSISTANT ADMINISTRATOR FOR MOBILE
SOURCE AIR POLLUTION CONTROL" INGERSOLL

1. LESS

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SEN SS3

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OS/LA

OS/ASTAT

MST2

T 885691

EIA539

PAGE 01

NC 14318

TOR:250613Z MAR 75

STATSPEC

R 242138Z MAR 75
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW 1903
BT

UNCLAS STATE 066342

E.O. 11652: N/A

TAGS: SENV, US, UR

SUBJECT: US-USSR ENVIRONMENTAL AGREEMENT: PROJECT I-3.1;
TRANSPORTATION SOURCE AIR POLLUTION CONTROL TECHNOLOGY
1. REQUEST EMBASSY PASS FOLLOWING MESSAGE FROM ERIC STORK
TO DR. YURIY N. DROZDOV, DIRECTOR, CENTRAL RESEARCH LABORA-
TORY OF ENGINES TOXICITY (NITD), MINISTRY OF TRACTOR AND
AGRICULTURAL MACHINE BUILDING, SOLNECHNOGORSKAYAY, MOSCOW
A-413 WITH COPY TO KUVSHINNIKOV OF HYDROMET:

2. "DEAR DR. DROZDOV: IN ACCORDANCE WITH THE AGREEMENTS
MADE IN OUR DECEMBER 1974 PROJECT MEETING, WE WOULD LIKE
TO INVITE A DELEGATION OF 5 TO 6 SOVIET SPECIALISTS TO
VISIT THE USA FROM APRIL 25 TO MAY 4 1975. WE SUGGEST
THAT YOUR DELEGATION ARRIVE IN WASHINGTON, D.C. ON APRIL 25
AND PLAN TO DEPART FROM NEW YORK CITY ON THE EVENING OF
MAY 4.

WE WISH TO DISCUSS THE FOLLOWING TOPICS AT EPA LAB-
ORATORIES AND AT SEVERAL AUTOMOBILE AND PETROLEUM COMPANY
LABORATORIES DURING YOUR VISIT:

- 1) FURTHER INFORMATION ON THE FLAME REACTION WORK AND
METHODOLOGY OF MEASUREMENT DESCRIBED BY DR. SVIRIDOV.
- 2) THE ANALYTICAL METHODS FOR ANALYSIS AND THE HEALTH
EFFECTS OF BENZO-A-PYRENE.
- 3) SULFATE EMISSIONS ASSOCIATED WITH CATALYST
USAGE.
- 4) CURRENT STATUS OF EMISSION REGULATIONS IN BOTH
COUNTRIES.
- 5) EFFECTS OF AMBIENT TEMPERATURES ON EMISSIONS.
- 6) EMISSION OF DIESEL ENGINES.
- 7) NON-CATALYST CONTROL TECHNOLOGY.
- 8) BASE METAL CATALYSTS.
- 9) HYDROGEN AND OTHER ALTERNATIVE FUELS.
- 10) CURRENT INTERNATIONAL ACTIVITIES FOR UNIFICATION
OF TEST PROCEDURES.
- 11) ANY FURTHER TOPICS YOU MAY WISH TO SUGGEST.

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1. LESS
2. FILE
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see Moscow 5047-
for delegation postponed
to June. No reason
for change given.
Jed.

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PAGE 02-02

NC 14318

TOR:250613Z MAR 75

PLEASE CONFIRM YOUR AGREEMENT TO THIS PROPOSAL AND
 IDENTIFY YOUR DELEGATION AS SOON AS CONVENIENT. WE
 LOOK FORWARD TO YOUR VISIT WITH GREAT PLEASURE AND
 ANTICIPATION. SINCERELY, ERIC O. STORK, DEPUTY ASSISTANT
 ADMINISTRATOR FOR MOBILE SOURCE AIR POLLUTION CONTROL"
 KISSINGER

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STATSPEC

T 837793

EIA957

PAGE 01

NC 96030

TOR:061657Z MAR 75

R 052202Z MAR 75
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW 1238

BT
UNCLAS STATE 049703

E.O. 11652: N/A

TAGS: SENV, UR

SUBJECT: ENVIRONMENTAL AGREEMENT; PROJECT I-2; STATIONARY
SOURCE AIR POLLUTION CONTROL TECHNOLOGY

REFERENCE: STATE 030851

1. ON MARCH THREE R.E. HARRINGTON RECEIVED COMMERCIAL
CABLE SIGNED BY BALASHOV, DIRECTOR OF GLAVGAZOOCHISTKA,
IN RESPONSE TO PREVIOUS COMMUNICATION FROM HARRINGTON TO
ANIKEYEV. US SIDE HAD INFORMALLY UNDERSTOOD THAT
ANIKEYEV MIGHT BE TRANSFERRING TO ANOTHER POSITION AND
THAT BALASHOV MIGHT SUCCEED HIM AS HEAD OF THE SOVIET SIDE
OF THIS PROJECT. BALASHOV'S FULL NAME AND AREA OF
EXPERTISE UNKNOWN.

2. TEXT OF BALASHOV CABLE AS TRANSLATED: "CONFIRM RECEIVING
INFORMATION OF TASK 1 OF JOINT SCHEDULE FOR THEMES A-4,
A-6. AT THE SAME TIME, I INFORM YOU THAT MATERIALS MEN-
TIONED IN JANUARY 30, LETTER FROM A. CRAIG ON TASK 2 OF
JOINT SCHEDULE OF THEMES A-4, A-6 AND A-5 HAVE NOT BEEN
RECEIVED. PLEASE INFORM MR. SPAITE AND MR. CRAIG THAT
ANALOGOUS MATERIALS ARE IN THE STAGE OF FORMULATION AND
WILL BE SENT SOON TO MR. SPAITE."

3. SINCE BALASHOV RESPONDED INSTEAD OF ANIKEYEV, THIS MAY
BE THE SIGNAL THAT LEADERSHIP ON SOVIET SIDE HAS CHANGED.
REQUEST EMBASSY TRANSMIT MESSAGE BELOW TO BALASHOV, AFTER
CONSULTATION WITH KUVSHINNIKOV TO DETERMINE THAT IN FACT
SHIFT HAS OCCURRED. REQUEST EMBASSY INFORM EPA FULL
PARTICULARS ON BALASHOV.

4. "DEAR MR. BALASHOV: THANK YOU FOR YOUR TELEGRAM OF
FEBRUARY 28. I REGRET THAT THE MATERIALS ON THEMES A-4,
5, AND 6 HAVE NOT YET REACHED YOU. THEY WERE SENT TO
G.K. LEBEDYUK IN EARLY FEBRUARY. THE SHIPMENT IS BEING
TRACED, AND WE WILL SEE THAT YOU RECEIVE THEM OR A NEW
SET IN THE NEAR FUTURE.

THERE ARE A NUMBER OF ITEMS ON WHICH WE NEED THE EARLIEST
POSSIBLE CONFIRMATION FROM YOUR SIDE

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1. LE55
2. E15 file
(Balashov)

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PAGE 02

NC 96030

TOR:061657Z MAR 75

1) THE NAME AND EXACT DATES OF TRAVEL OF THE SOVIET ELECTROSTATIC PRECIPITATOR SPECIALIST, PER PROTOCOL OF OCTOBER 25, 1974.

2) RESPONSE TO MY TELEGRAM OF FEBRUARY 11 TO MR. ANIKEYEV PROPOSING AN APRIL VISIT OF A U.S. TEAM FOR A PRE-TESTING SURVEY UNDER THEMES A-4 AND A-6. OUR SIDE CONSIDERS THIS VISIT VERY IMPORTANT TO INITIATION OF THE SAMPLING PROGRAM.

3) IN ACCORDANCE WITH THE MEMORANDUM OF THE DECEMBER MEETING OF THE JOINT COMMITTEE, WE NEED A PROPOSED ITINERARY AND AGENDA FOR THE VISIT OF A U.S. TEAM TO THE U.S.S.R. DURING THE SECOND QUARTER TO EXPLORE A POSSIBLE PROGRAM OF COOPERATION ON ABATEMENT OF AIR POLLUTION FROM THE CEMENT INDUSTRY.

4) WE WOULD ALSO APPRECIATE AN INDICATION OF THE SOVIET VIEW ON THE U.S. PROPOSAL, RECORDED IN THE MEMORANDUM OF THE DECEMBER JOINT COMMITTEE MEETING, FOR DEVELOPMENT OF COOPERATION ON PREVENTION OF POLLUTION FROM OIL SHALE PROCESSING. SINCERELY YOURS, R.E. HARRINGTON."

5. REQUEST EMBASSY LOOK INTO NON-RECEIPT OF MATERIALS ALLEGED BY BALASHOV. MATERIALS WERE SENT VIA POUCH ABOUT FEBRUARY 4, ADDRESSED TO G. K. LEBEDYUK, DEPUTY DIRECTOR, NIIOGAZ, N3B NAGATINSKAYA, MOSCOW M-105, WITH COPY OF TRANSMITTAL LETTER TO ANIKEYEV. TITLES WERE:

"TEST PROGRAM FOR DUKE POWER COMPANY HOT SIDE ELECTROSTATIC PRECIPITATOR"

"TEST PROGRAM FOR LONE STAR STEEL COMPANY STEAM-HYDRO AIR CLEANING SYSTEM"

UNCLASSIFIED

"APPENDIX TO U.S. TEST PROGRAM REPORTS--TESTING METHODS AND PROCEDURES FOR ANALYSIS"

"PARTICULATE COLLECTION EFFICIENCY MEASUREMENTS ON A WET ESP"

"ELEKTROFIL (TM) WET ESP"

"THEORETICALLY BASED TECHNIQUE FOR ESTIMATING THE SIZE OF ESP" INGERSOLL